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(21) International Application Number: PCT/US96/15550 (22) International Filing Date: 27 September 1996 (27.09.96) (71) Applicant (for all designated States except US): OLSEN, Nancy, J. [US/US]; 1138 Brookwood Lane, Nashville, TN 37220 (US). (71)(72) Applicants and Inventors: LIPSKY, Peter, E. [US/US]; 4406 Woodfin, Dallas, TX 75225 (US). TAO, Xe-Lien [US/US]; 2420 Silverthorne Drive, Dallas, TX 75287 (US). CAI, Jim [US/US]; Apartment 225, 2510 New Orleans, Dallas, TX 75235 (US). KOVACS, William, J. [US/US]; 1138 Brookwood Lane, Nashville, TN 37220 (US). (74) Agent: MAYFIELD, Denise, L.; Akin, Gump, Strauss, Hauer & Feld, L.L.P., Suite 1900, 816 Congress Avenue, Austin, TX 78701 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: STEROID RECEPTOR BINDING COMPOSITIONS AND STEROID-SPARING PREPARATIONS THEREOF IN IMMUNO-SUPPRESSION AND INFLAMMATION (57) Abstract <p>The present invention provides for the use of <i>Tripterygium Wilfordii</i> Hook F extracts and purified components thereof in the treatment of inflammation or an immune disorder with concomitant lack of steroidal effect. Extracts of this plant (T2) bound to the glucocorticoid receptor and competitively inhibited glucocorticoid mediated cellular processes, such as dexamethasone binding to the glucocorticoid receptor, glucocorticoid mediated activation of target genes, dexamethasone dependent cellular growth, with concomitant inhibition of cyclooxygenase-2 induction and inflammatory processes such as the production of prostaglandin E₂. The T2 extract components triptolide and triptidiolide were effective inhibitors. The particular advantage provided by the methods herein is the treatment or prevention of inflammation and the concomitant lack of steroidal agonist effects and NSAID side effects. Conditions treatable by the present methods include inflammation and immune disorders including autoimmune disease.</p>		

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